New and Changed Information

This chapter contains the following sections:

New and Changed Information

The following table provides an overview of the significant changes made to this configuration guide. The table does not provide an exhaustive list of all changes made to this guide or all new features in a particular release.

Feature	Release	Description	Where Documented
FEX-Based ACL Classification	7.0(3)N1(1)	The FEX-Based ACL Classification feature uses TCAM resources on a FEX to perform ACL-based packet classification of incoming packets on the switch.	Configuring FEX-Based ACL Classification
Buffer Utilization Histogram	7.0(2)N1(1)	The Buffer Utilization Histogram feature allows you to analyze the maximum queue depths and buffer utilization in the system in real time. Instantaneous or real time buffer utilization information is supported.	Configuring Buffer Utilization Histogram

Feature	Release	Description	Where Documented
IPv6 ACL logging	7.0(1)N1(1)	The IPv6 ACL logging feature allows you to monitor ACL flows and to log dropped packets on an interface.	IPv6 ACL Logging Overview
Micro-Burst Monitoring	7.0(0)N1(1)	The micro-burst monitoring feature allows you to monitor traffic on a per-port basis for both ingress and egress ports and to detect unexpected data bursts within a very small time window (micro-seconds). This allows you to detect flows in the network that are at risk of data loss, and that may require extra bandwidth	Micro-Burst Monitoring Overview
Configuring Switch Latency Monitoring	7.0(0)N1(1)	The switch latency monitoring feature marks each ingress and egress packet with a timestamp value. To calculate the latency for each packet in the system the switch compares the ingress with the egress timestamp. The feature allows you to display historical latency averages between all pairs of ports, as well as real-time latency data.	Switch Latency Monitoring Overview

Feature	Release	Description	Where Documented
WRED Explicit Congestion Notification	7.0(0)N1(1)	Weighted Random Early Detection (WRED), and Explicit Congestion Notification (ECN) provide congestion control and avoidance solutions for applications that are sensitive to delay or packet loss (for instance, interactive traffic including Telnet, web-browsing, and transfer of audio and video data).	Proxy Queue Drain Rates